

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3706	("399".clas. or g03g\$.ipc.) and (((clean or cleaner or cleaning) near5 (member or unit or blade or brush or roller or device or apparatus)) with (replace\$1 or replacing or replaceable or replaceably or remove\$1 or removable or removing or removably or interchange\$1 or interchanging or interchangeable or interchangeably or exchange\$1 or exchanging or exchangeable or exchangeably)) and (((charge or charger or charging or discharge or discharger or discharging) near5 (member or unit or blade or brush or roller or device or apparatus)) or scorotron or corotron or di\$1scorotron or di\$1corotron or corona) with (replace\$1 or replacing or replaceable or replaceably or remove\$1 or removable or removing or removably or interchange\$1 or interchanging or interchangeable or interchangeably or exchange\$1 or exchanging or exchangeable or exchangeably)) and (((developing or developer) near5 (member or unit or blade or brush or roller or device or apparatus)) with (replace\$1 or replacing or replaceable or replaceably or remove\$1 or removable or removing or removably or interchange\$1 or interchanging or interchangeable or interchangeably or exchange\$1 or exchanging or exchangeable or exchangeably))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 08:51
L2	207	("399".clas. or g03g\$.ipc.) and (((clean or cleaner or cleaning) near5 (member or unit or blade or brush or roller or device or apparatus)) with (replace\$1 or replacing or replaceable or replaceably )) and (((charge or charger or charging or discharge or discharger or discharging) near5 (member or unit or blade or brush or roller or device or apparatus)) or scorotron or corotron or di\$1scorotron or di\$1corotron or corona) with (replace\$1 or replacing or replaceable or replaceably)) and (((developing or developer) near5 (member or unit or blade or brush or roller or device or apparatus)) with (replace\$1 or replacing or replaceable or replaceably))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 10:48
L3	2398	("399".clas. or g03g\$.ipc.) and (((clean or cleaner or cleaning) near5 (member or unit or blade or brush or roller or device or apparatus)) with (replace\$1 or replacing or replaceable or replaceably or remove\$1 or removable or removing or removably or interchange\$1 or interchanging or interchangeable or interchangeably or exchange\$1 or exchanging or exchangeable or exchangeably)) same (((charge or charger or charging or discharge or discharger or discharging) near5 (member or unit or blade or brush or roller or device or apparatus)) or scorotron or corotron or di\$1scorotron or di\$1corotron or corona) with (replace\$1 or replacing or replaceable or replaceably or remove\$1 or removable or removing or removably or interchange\$1 or interchanging or interchangeable or interchangeably or exchange\$1 or exchanging or exchangeable or exchangeably)) same (((developing or developer) near5 (member or unit or blade or brush or roller or device or apparatus)) with (replace\$1 or replacing or replaceable or replaceably or remove\$1 or removable or removing or removably or interchange\$1 or interchanging or interchangeable or interchangeably or exchange\$1 or exchanging or exchangeable or exchangeably))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 08:51
L4	2	("5845176" "5805959").pn.	US-PGPUB; USPAT	OR	ON	2007/04/16 10:49
S1	1	10/532979	US-PGPUB	OR	ON	2007/04/13 14:06
S4	3	JP-07078667-A.did. JP-08101624-A.did. JP-07302033-A.did. JP-03039693-A.did.	JPO	OR	ON	2007/04/13 09:59
S56	1997	(399/111,113-116,119,123).ccls.	US-PGPUB; USPAT	OR	ON	2007/04/11 14:30

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S57	71	399/115.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/11 14:30
S58	86	399/123.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/11 14:30
S59	2	S57 and S58	US-PGPUB; USPAT	OR	ON	2007/04/11 14:30
S60	38554	(replac\$4 with clean\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S61	24413	(replac\$4 with develop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S62	24910	(replac\$4 with charg\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S63	3689	(replac\$4 with ("Image bearing member" "photosensitive drum" "photo conductor drum" "photoconductive drum" "latent image bearing member" "Organic photo conductor" OPC "photoconducting drum" "photoconducting member" photoreceptor "photoreceptive member" "photoreceptive device" "photoreceptive drum" "image forming drum" "image forming member" "image carrying device" "image receiver" "image receiving member" "photosensitive member" "image-forming drum" "image-forming member" ((photorecept\$3 or photoreceiv\$4 or photoconduct\$3 or (image adj (bear\$3 or carr\$4 or format\$3 or form\$3 or receiv\$4)) or image-bear\$3 or image-form\$3 or "photo conductor" or "photo conductive" or photosensitive) adj (drum or device or member or belt)) ))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S64	147	S60 and S61 and S62 and S63	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S65	729	S56 and (S60 or S61 or S62 or S63 or S64).	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S66	1997	S56 or S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30

## EAST Search History

S67	18	"399".clas. and (magnet\$4 with pole with develop\$4 with group\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S68	97	"399".clas. and (replac\$4 with clean\$4 with blade) and (((replac\$4 with bias with roller) and (replac\$4 with recovery with roller)) or (replac\$4 with clean\$4 with roller))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S69	4	"399".clas. and ((potential near5 (sens\$4 or detect\$4)) same (density near5 (sens\$4 or detect\$4)) same (temperature near5 (sens\$4 or detect\$4)) same (humidity near5 (sens\$4 or detect\$4)) same (cartridge or ("process kit" or "process device" or "process unit"))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S70	36	"399".clas. and ((potential near5 (sens\$4 or detect\$4)) same (density near5 (sens\$4 or detect\$4)) same (temperature near5 (sens\$4 or detect\$4)) same (humidity near5 (sens\$4 or detect\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S71	8	"399".clas. and (magnet\$4 with pole with develop\$4 with group\$4 with direction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S72	36	toner and ((functional near group) same nitrogen same polyester same (color\$4 or pigment\$4) same ((mold or releasing) near agent))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S73	1597	toner and (((("degree of roundness" "circularity of form" ((degree near round\$4) or circularity or DOR or roundness) "spherical degree")) same ("0.93"\$ "0.94"\$ "0.95"\$ "0.96"\$ "0.97"\$ "0.98"\$ "0.99"\$ "1.0"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S74	19	S73 and ((elliptic\$4 or ellip\$4) near6 toner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S75	1552	toner same (((("degree of roundness" "circularity of form" ((degree near round\$4) or circularity or DOR or roundness) "spherical degree")) same ("0.93"\$ "0.94"\$ "0.95"\$ "0.96"\$ "0.97"\$ "0.98"\$ "0.99"\$ "1.0"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30

## EAST Search History

S76	50	S75 and "minor axis" and "major axis"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S77	138	((volume with average with particle with number with size with ratio) same ("1.05"\$2 "1.06"\$2 "1.07"\$2 "1.08"\$2 "1.09"\$2 "1.1"\$2 "1.2"\$2 "1.3"\$2 "1.40")) same toner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S78	27	S77 and S75	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S79	72	"399".clas. and (user with toner with refill\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S80	36	(process with cartridge with contact with (electric\$4 or electrical\$4) with one with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S81	30	"399".clas. and S80	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S82	3	(develop\$4 with magnet\$4 with group with main with pole with direction with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S83	6	((develop\$4 with magnet\$4 with group with main with pole) same direction same position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30
S84	7	((develop\$4 with magnet\$4 with group with main with pole) same direction same position\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/11 14:30

## EAST Search History

S85	249	(S59 S66 S67 S68 S69 S70 S71 S72 S78 S79 S81 S82 S83 S84 S74 S76) and @pd>"20060814"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 09:54
S86	2	11/169700 11/043654	US-PGPUB; USPAT	OR	ON	2007/04/13 09:54
S87	14	("60168159" "11296049" "2002311714" "59211054" "2002182493" "2003228198" "2003177651" "2003186305" "2001331082" "01142666" "04274452" "2003076249" "08101624" "07302033").pn.	JPO	OR	ON	2007/04/13 10:16
S88	5	("6879792" "6868243" "6871031" "5583618" "5170209").pn. 11/608175	US-PGPUB; USPAT	OR	ON	2007/04/13 10:09
S89	1	("6678489").pn.	US-PGPUB; USPAT	OR	ON	2007/04/13 10:10
S90	1	("09222840").pn.	JPO	OR	ON	2007/04/13 10:26